

Claims

1. An arc welding robot comprising:

a robot main body including a welding torch and a wire feeder for feeding

5 welding wire to said welding torch, said wire feeder including a sensor and a driving motor;

a robot controller for controlling said robot main body; and

a welding power supply arranged inside said robot controller, said welding power supply controlling said wire feeder and a welding power,

10 wherein a robot main body driving power cable and a robot control cable are connected between said robot controller and said robot main body and

wherein a sensor cable of said wire feeder, a gas valve control cable for a shield gas supplied to said welding torch and a welding voltage feedback cable are accommodated in said robot main body driving power cable.

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2. An arc welding robot comprising:

a robot main body including a welding torch and a wire feeder for feeding

welding wire to said welding torch, said wire feeder including a sensor and a driving motor;

20 a robot controller for controlling said robot main body; and

a welding power supply arranged inside said robot controller, said welding power supply controlling said wire feeder and a welding power,

wherein a robot main body driving power cable, a robot control cable and a sensor cable are connected between said robot controller and said robot main body and

25 wherein a sensor cable of said wire feeder, a gas valve control cable for a shield gas supplied to said welding torch and a welding voltage feedback cable are accommodated in said robot main body driving power cable.

3. The arc welding robot according to claim 2, wherein said sensor cable is

30 accommodated in said robot main body driving power cable.

4. An arc welding robot comprising:

a robot main body including a welding torch and a wire feeder for feeding welding wire to said welding torch, said wire feeder including a sensor and a driving motor,

a robot controller for controlling said robot main body; and

5 a welding power supply arranged inside said robot controller, said welding power supply controlling said wire feeder and a welding power,

wherein a robot main body driving power cable, a robot control cable and a sensor cable are connected between said robot controller and said robot main body and

wherein a sensor cable of said wire feeder, a gas valve control cable for a shield

10 gas supplied to said welding torch and a welding voltage feedback cable are accommodated in said robot main body driving power cable and in said sensor cable in a dispersed fashion.